

Training evaluation report

Training session: Embedded Linux kernel and driver development
Training dates: Feb. 15 - 19, 2010 (5 days)
Country: Spain

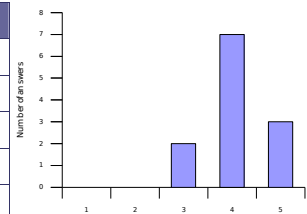
Number of participants: 17
Returned evaluation forms: 12

Thank you for having organized a Free Electrons training session!
 Here is a wrap-up of evaluations from participants.

Learning objectives

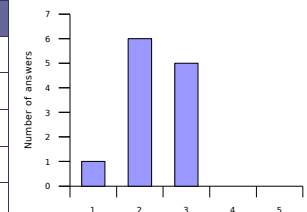
1. How well did the course meet your learning objectives?

Rating	Answers	Description
1	0	Not met
2	0	
3	2	
4	7	
5	3	Fully met



2. How was the duration of the course?

Rating	Answers	Description
1	1	Too short. Couldn't learn enough in such a short time.
2	6	A little too short
3	5	Just fine
4	0	A little too long
5	0	Definitely too long. The concepts could be learned in much less time.

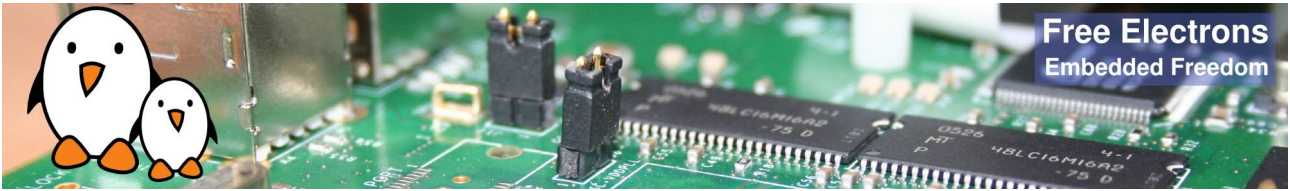


2 - I was interested in network drivers

3 - Too long labs

2 - A lot of information to understand everything in such a short duration. I think that this is because I don't use this thing in my everyday work.

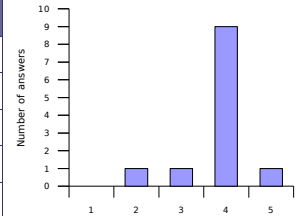
1 - Too many things to learn in a short time



Lecture materials

3. How helpful were the lecture materials?

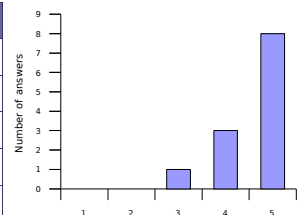
Rating	Answers	Description
1	0	Not helpful. Made things more difficult to learn and understand.
2	1	
3	1	
4	9	
5	1	Really made things easier to understand and learn.



4 - Some diagrams like the ones the instructor drew by hand would be nice in the slides

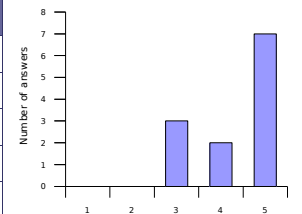
4. Will you recommend these materials to others?

Rating	Answers	Description
1	0	No. Not helpful without following the sessions.
2	0	
3	1	
4	3	
5	8	Definitely

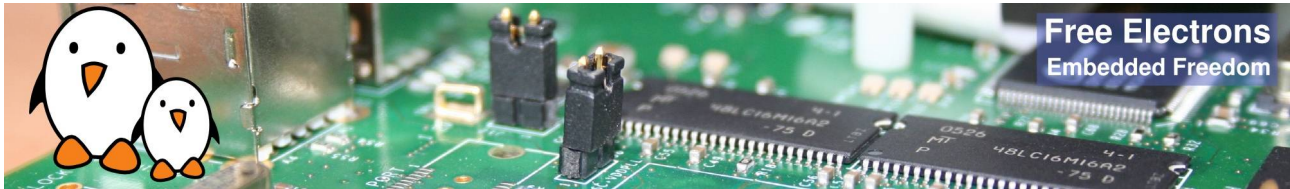


5. If you have Linux project opportunities, will you use these materials again?

Rating	Answers	Description
1	0	No. I will look for other sources of information.
2	0	
3	3	
4	2	
5	7	Definitely

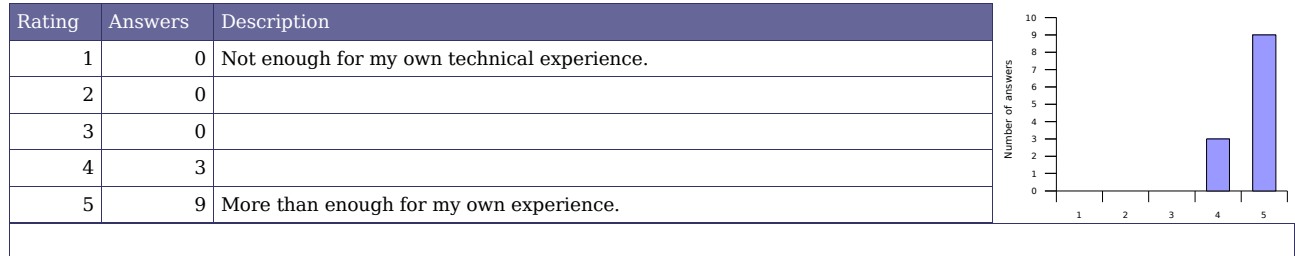


3 - I'm not sure, but I could try to.

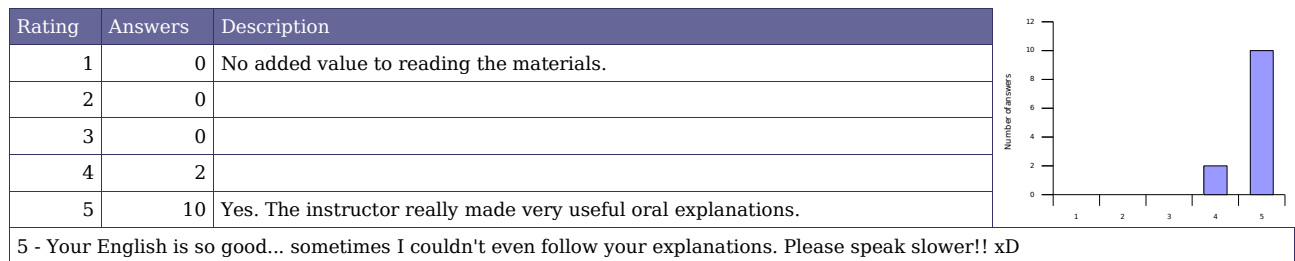


Instructor added value

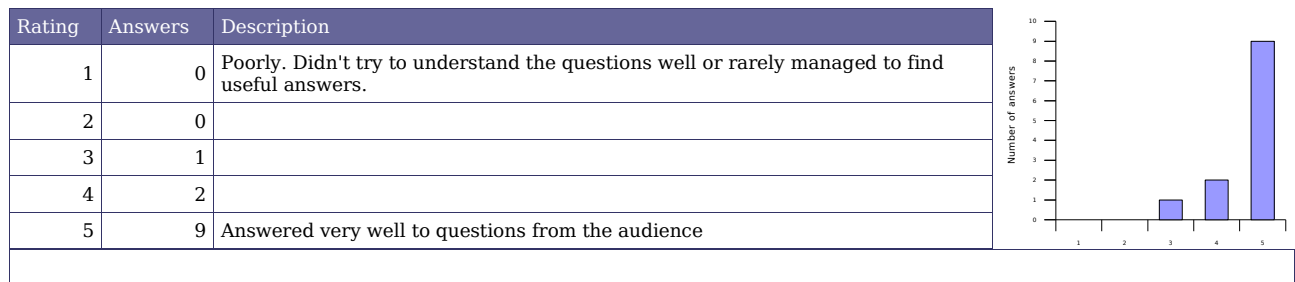
6. How knowledgeable was the instructor?



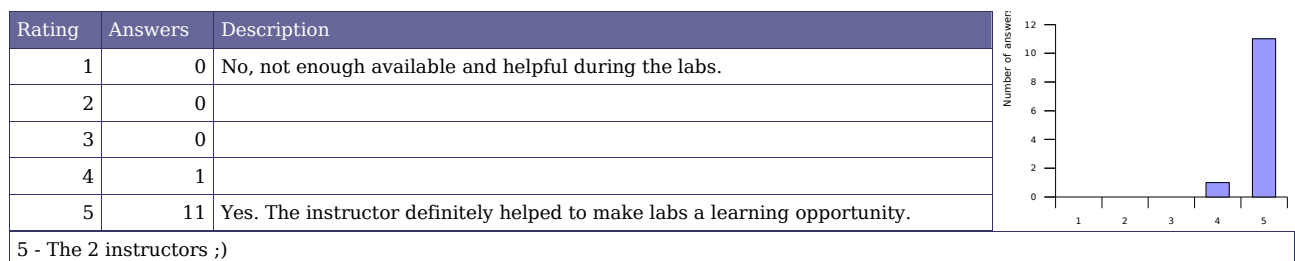
7. Did instructor oral explanations add value to the lecture materials?

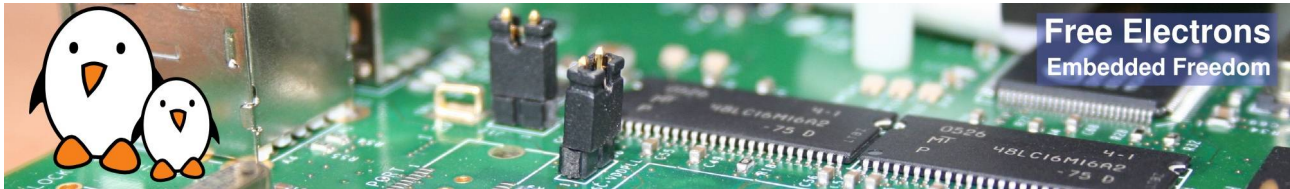


8. How well did the instructor answer questions from the audience?



9. Was the instructor helpful with practical labs?

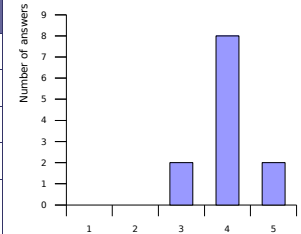




Training labs

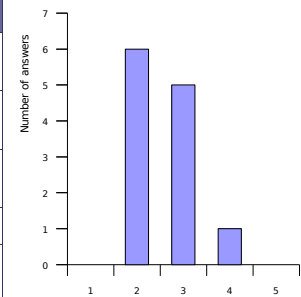
10. How useful were the training labs?

Rating	Answers	Description
1	0	Not useful. Didn't add significant value to the lectures.
2	0	
3	2	
4	8	
5	2	Very useful. Helped to highlight things not understood and build useful experience.



11. How difficult were the training labs?

Rating	Answers	Description
1	0	Too difficult. Didn't help or even discouraged a beginner to get more familiar with the tools and concepts.
2	6	A bit too difficult. Would be better if the lab instructions gave a bit more details about explanations.
3	5	Just fine. Prompted me to look for answers, get my own experience and find my own solutions.
4	1	Too easy for my own technical level.
5	0	Too easy for everyone. Should challenge participants more and help everyone to practice on real issues.

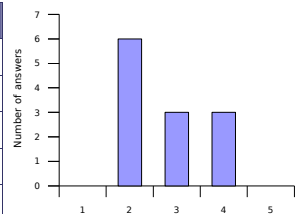


4 - People skills were too different

2 - Sometimes you feel a little bit lost

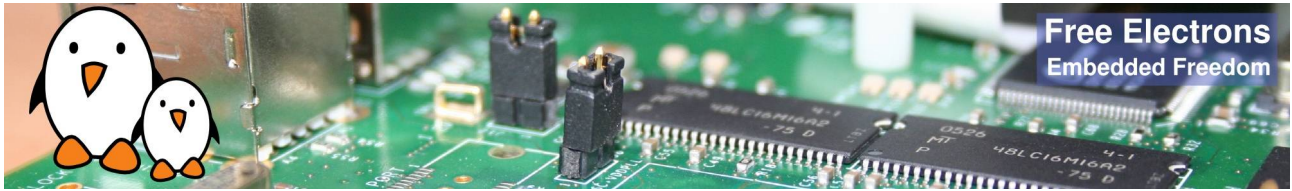
12. Was enough time dedicated to the practical labs?

Rating	Answers	Description
1	0	No. More practice is needed
2	6	A little bit more time would help.
3	3	Just fine
4	3	A little bit less time would be enough.
5	0	Don't need to spend so much time on labs. On-the-job practice is best



2 - Maybe the timing was OK, but in our case the need to wait for some of us to complete the first labs left us with less time to complete the last, more complicated ones.

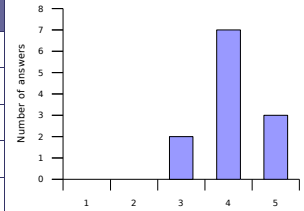
3 - The first 3 days we have had too much time. But the 4th day, I couldn't finish all the labs.



Training conditions

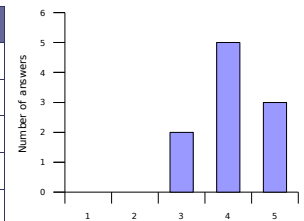
13. How do you rate training conditions (room size, equipment, environment...)?

Rating	Answers	Description
1	0	Poor.
2	0	
3	2	
4	7	
5	3	Very good.



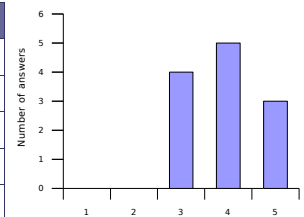
14. How do you rate the training equipment (mainly computers)?

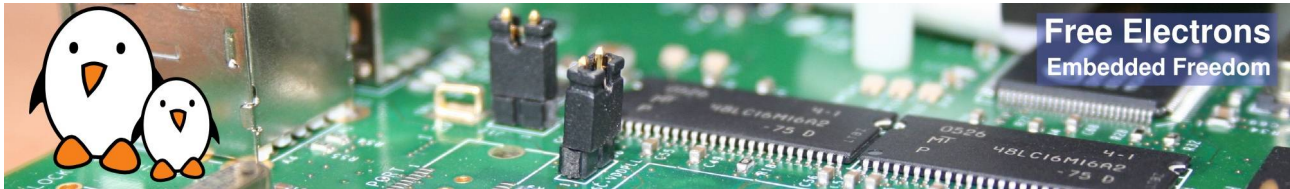
Rating	Answers	Description
1	0	Poor. Not powerful enough to execute practical labs.
2	0	
3	2	
4	5	
5	3	Very good. Very little time waiting, more time learning.



15. How well was the course organized (program, registration, meeting the schedule...)?

Rating	Answers	Description
1	0	Not well
2	0	
3	4	
4	5	
5	3	Very well

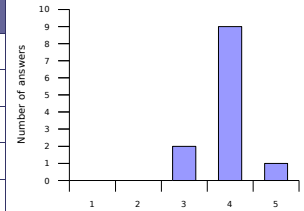




Overall rating

16. How much did you learn?

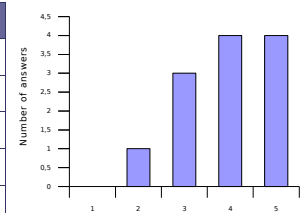
Rating	Answers	Description
1	0	Definitely not much
2	0	
3	2	
4	9	
5	1	Definitely more than I expected.



3 - I already had high hopes for this course, so it was just as good as I expected.

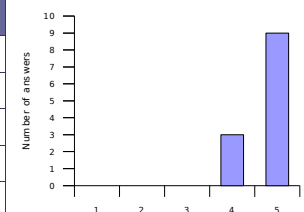
17. How useful will this course be in your daily job?

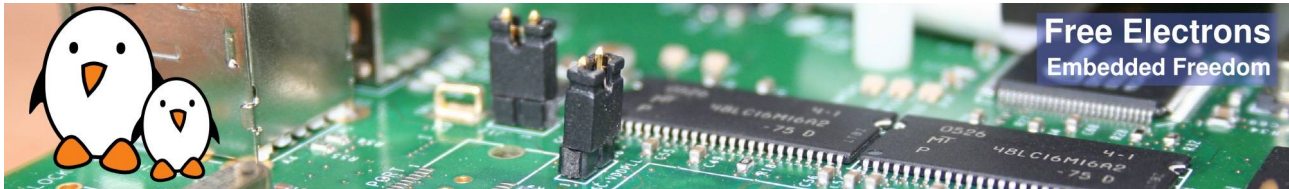
Rating	Answers	Description
1	0	Not useful.
2	1	
3	3	
4	4	
5	4	Very useful. Will make my job easier and more productive.



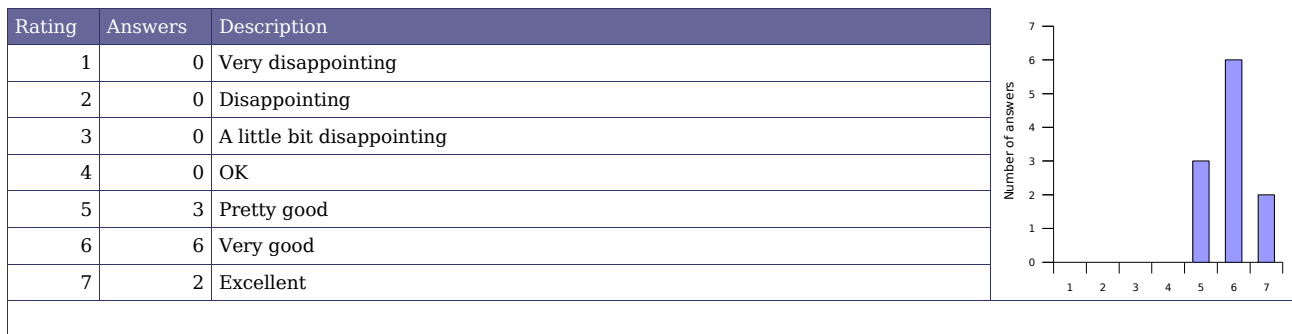
18. Would you recommend this course to others?

Rating	Answers	Description
1	0	No.
2	0	
3	0	
4	3	
5	9	Yes, definitely

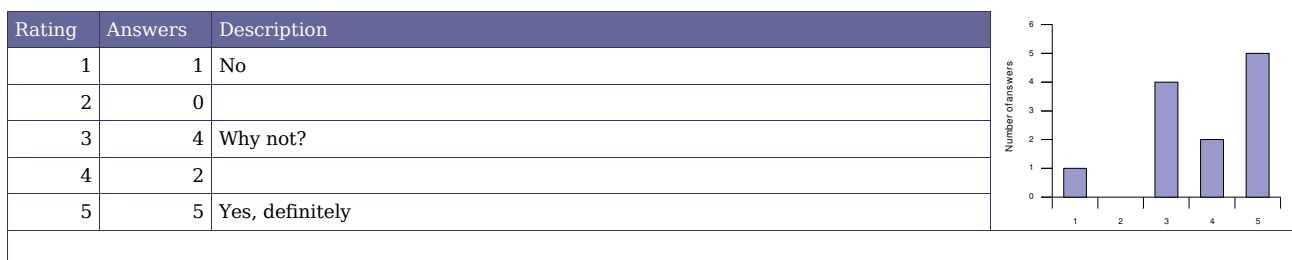




19. Overall rating



20. An extra session?



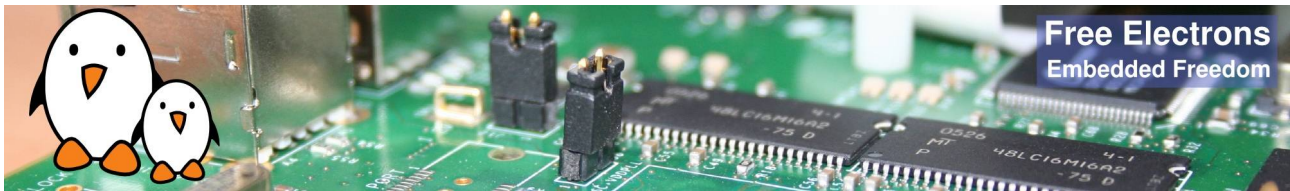
Number of votes for topics in an extra session

Understanding the Linux kernel	Linux device driver development	Linux board support packages	Embedded system development	Miscellaneous needs
Process management	3 USB device drivers	Processor specific code	Lightweight tools	1 Java
Filesystem implementation	1 USB host drivers	Board specific code	Embedded system development tools	2 Real-time
Memory management	3 PCI drivers	Board specific interrupt support code	Cross-compiling toolchains	2 Audio
Scheduling implementation	2 Network drivers	1 DMA support	1 Debugging solutions	3 Video
Bootstrap code	1 Block drivers	Bootloader development	2 Software development tools	3 uClinux
	Flash drivers		Programming with graphical libraries	2 Voice over IP
	I2S drivers		POSIX API	3
	Input drivers		System optimization	3
	Sound drivers	3	Root filesystem creation	
	Video drivers	1		

Free Electrons comments

Thanks to the (sometimes oral) suggestions from the audience, we will improve future training sessions...

- By adding more diagrams to the lecture slides.
- By speaking slower.
- By proposing more tasks / labs to people who progress faster, to keep them busy all the time.



Life after training

After this training session, do not hesitate to get back to us! Here are things we could do to support you in your embedded Linux projects:

- More training: you may be interested in the other training sessions that we propose, either embedded Linux system development or Linux kernel and driver development, depending on the course you have already taken. See <http://free-electrons.com/training> for details.
- If some people in your organization missed the session, and you don't have enough requests to organize another session, they can choose to go to our public training sessions. See <http://free-electrons.com/training/sessions> for details.
- Linux kernel porting. Adding Linux support to your boards, or supporting you in doing this.
- Having your board support code merged in mainstream sources (Linux, U-boot), so that your sources are maintained by the community. This also means for customers that your boards will be supported for a long time.
- System development and integration. Creating demos and prototypes.
- System optimization: improving system performance and features (power consumption, speed, size...)
- Investigating and fixing nasty bugs that you don't have time to cope with by yourselves.

See <http://free-electrons.com/services> for details.